

MARINE CORPS AIR STATION EL TORO
RESTORATION ADVISORY BOARD MEETING

September 30, 1998

MEETING MINUTES

The 34th Restoration Advisory Board (RAB) meeting for Marine Corps Air Station (MCAS) El Toro was held Wednesday, September 30, 1998 at the Irvine City Hall. The meeting began at 6:38 p.m. These minutes summarize the discussions and presentations from the meeting.

WELCOME, INTRODUCTIONS, AGENDA REVIEW

Mr. Joseph Joyce, Marine Corps RAB Co-Chair, opened the meeting by having Marcia Rudolph, RAB member, lead the group in the Pledge of Allegiance. He welcomed everyone in attendance and reminded the group to sign in so all those present will receive a copy of the meeting minutes and the next RAB meeting agenda. Following self-introductions made by all in attendance, Mr. Joyce provided an overview of the meeting agenda. Mr. Joyce reminded the RAB of the meeting ground rules: time is allotted at the end of each presentation specifically for questions and answers, and to please hold all questions until the end of the presentation. RAB members discussed the need for a separate general question and answer session during the Meeting Summary portion of the meeting. It was agreed that this would be included on all future RAB meeting agendas. After adjournment of tonight's meeting Marine Corps and Navy representatives will be available to answer additional questions.

OLD BUSINESS

Review and Approval of July 29, 1998 Meeting Minutes

Some issues regarding perchlorate from the July 29, 1998 RAB minutes were mentioned by Mr. Greg Hurley, RAB Community Co-Chair, however, the RAB approved the minutes without amendment.

Announcements

- Mr. Hurley announced that the OU-3 subcommittee, which focuses on the sites with surface soil contamination (Sites 7, 8, 11, 12, 14 and 16), is still without a chairperson. Mr. Joyce called for a RAB member to volunteer to fulfill this responsibility to coordinate RAB member's review of the documents for these sites. Don Zweifel volunteered to serve as the OU-3 subcommittee chair.
- Mr. Joyce encouraged RAB members to pick up a copy of the handout, "Current Index – September 29, 1998, MCAS El Toro Information Repository Collection" that lists all Installation Restoration Program documents that are available to the public at the Heritage Park Regional Library in Irvine. The collection is continuously updated. He

also said that RAB members should inform members in their respective communities of the availability of the documents at the Information Repository. Also, available to the public is the Administrative Record file with all decision documents and it is located at the Environment and Safety Office at MCAS El Toro.

- Mr. Joyce said that the Orange County Grand Jury was at MCAS El Toro on September 16, 1998 for a Station briefing and tour on the Environmental Cleanup Program. He said a letter was received by the Marine Corps from the Grand Jury stating that the tour and briefing was most helpful in understanding the cleanup program. Mr. Joyce said that the Grand Jury was looking at the planning process, and that process includes the environmental cleanup program.
- Mr. Joyce introduced Dave DeMars, Remedial Project Manager, from Southwest Division Naval Facilities Engineering Command, who replaced Bernie Lindsey.
- Mr. Joyce introduced two new RAB members, Harry and Arline Chenarides of Aliso Viejo.
- Mr. Joyce also introduced Lt. Adrienne Dewey, who has replaced Capt. Matt Morgan as the BRAC Public Affairs Officer. Capt. Morgan was reassigned to serve as the Marine Corps liaison to the movie and television industry in Hollywood, California.
- Mr. Hurley emphasized the need for the RAB subcommittees to meet regarding the perchlorate issue (for more information, see Closing Announcements/Future Meeting Dates on page 14).

NEW BUSINESS

◆ Regulatory Agency Comment Update – Patricia Hannon, Project Manager, Regional Water Quality Control Board (RWQCB); Tayseer Mahmoud, Project Manager, Cal-EPA Dept. of Toxic Substances Control (DTSC); Glenn Kistner, Project Manager, U.S. EPA

Patricia Hannon, Project Manager, RWQCB

Ms. Hannon said that she has recently reviewed the following documents: Draft Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) for Groundwater Monitoring of Perchlorate at MCAS El Toro; and the Draft CERCLA (Groundwater) Monitoring Plan, MCAS El Toro. She said that both documents looked fine. She is currently reviewing the Draft Engineering Design Report for Vadose Zone Remediation at Site 24, MCAS El Toro.

Tayseer Mahmoud, Project Manager, Cal-EPA DTSC

Mr. Mahmoud reported that DTSC reviewed seven documents and copies of Agency comments have been provided on the sign-in table. Documents reviewed include: (1) Closure Report for Temporary Accumulation Area (TAA) 765; (2) On-Scene Coordinator Report for Time-Critical Removal Actions at Landfill Sites 2 and 17; (3) Draft Proposed Plan for Operable Unit 3, Sites 8, 11, and 12; (4) Field Sampling Plan and Quality Assurance Project Plan (QAPP) for Groundwater Monitoring of Perchlorate; (5) Draft CERCLA Groundwater Monitoring Plan; (6) and (7) both are Federal Facilities Agreement (FFA) schedule extensions. At the end of these

minutes a listing of DTSC comments is included. A brief summary of Mr. Mahmoud's comments follows.

Regarding Item 1, Mr. Mahmoud said that if TAA 765, which is located within Installation Restoration Program Site 13, cannot be cleaned up to residential land use, the Navy needs to submit Record of Decision (ROD) modifications to the regulatory agencies. The cleanup goal proposed for TAA 765 is industrial land use. The ROD for Site 13, signed in September 1997, was for "No Action" at the site that resulted in a residential land use scenario with no institutional controls. He added that the Navy should evaluate TAA 765 against residential risk standards.

For Item 2, DTSC agrees with the scope of work conducted for the sites that involved mitigating the erosion of landfill debris along surface drainage channels at the landfill sites. However, the report was unclear as to whether there has been consolidation. DTSC requested the submittal of records of waste relocation, including volumetric measurements, sampling of the waste before disposal, confirmation sampling to show the areas have been cleared.

For Item 3, DTSC requested more information on the proposed preferred remedy, Alternative 3, Excavation with Recycling of Excavated Soil as Foundation Material for on-Station landfills. Specifically, that amount of soil expected to be excavated from each site, the number of confirmation samples of excavated soil and from the bottom of the excavated areas at the sites. DTSC also asked for additional information regarding the ecological risks from placing excavated materials on landfills at Sites 2 and 17. He also commented that the Proposed Plan for Closure of Station Landfills did not discuss placement of this soil at Sites 2 and 17 and that the public should be informed of this.

For Item 4, DTSC commented that it may be useful for field quality control samples to include split samples, recommending a frequency of 5 to 10 percent with a minimum of one per sampling event. He also requested a sampling schedule since DTSC will also be taking split samples. Mr. Mahmoud said the QAPP complied with pertinent elements of U.S. EPA requirements for such plans.

For Item 5, DTSC agrees with the Marine Corps' proposal to abandon or reduce monitoring of numerous wells that are not considered necessary for evaluating groundwater parameters or contamination, but this decision should be delayed until the perchlorate investigation has been completed. As for the landfill monitoring, DTSC disagrees with the Marine Corps' proposal to reduce the suite of chemicals and the frequency of sampling at the landfill sites. In regard to radionuclides, DTSC requested more information on the emitters used for EPA Method 901.1.

For Items 6 and 7, DTSC approved FFA extensions for the Draft ROD for Closure of Station Landfills and the Draft Proposed Plan and Draft ROD for Groundwater at OU-1 and Site 24.

Mr. Joyce clarified that due to significant comments on OU-2C for Sites 3 and 5, two RODs will now be prepared for the Station landfills. The Marine Corps is moving forward with the ROD for OU-2B for Sites 2 and 17, and the draft is due to the regulatory agencies for review

on November 4, 1998. The Marine Corps is working with the U.S. Fish and Wildlife Service, the federal agency proposed for taking over management of the Station that includes Sites 2 and 17. The Marines are providing additional information about these habitat areas and the wildlife present. The Draft ROD due date for OU-2C has not been revised at this time.

Glenn Kistner, Project Manager, U.S. EPA

Mr. Kistner said the only written comments he brought tonight as a handout pertain to the CERCLA Groundwater Monitoring Plan (long-term monitoring). He said that overall the draft plan represents a good attempt to optimize the groundwater monitoring network at MCAS El Toro. The goal to maximize efficiency while minimizing costs is consistent with U.S. EPA policy. Also, the key comment states that, within the document, the specific downgradient wells sufficient for defining the leading edge of the off-Station groundwater plume need to be identified. This is necessary to determine if the plume of solvent-contaminated groundwater is migrating further. He added that this might also involve more frequency for sampling. He said that that U.S. EPA has been working with the Navy on the perchlorate sampling providing review of the Field Sampling Plan and the Quality Assurance Project Plan. He added that U.S. EPA's labs, along with labs from DTSC and the Navy would all be participating in the quality assurance effort for the perchlorate sampling and analysis. Mr. Kistner also said that results from the perchlorate sampling would need to be reviewed to determine if monitoring wells can be eliminated from the long-term monitoring network.

Mr. Kistner also said that U.S. EPA has not yet provided written comments on the OU-3 Proposed Plan for Sites 8, 11, and 12. Comments provided in review meetings of the document with BCT members mostly pertain to clarification on explaining risks to human health and in making the document easier for the public to understand.

◆ Technical Assistance for Public Participation (TAPP) Grants - Lee Saunders, Public Affairs Officer, Southwest Division Naval Facilities Engineering Command

Mr. Saunders' presentation focused on the Technical Assistance for Public Participation (TAPP) program. He also covered two other programs: Technical Outreach Services for Communities (TOSC) and the Technical Assistant Grant (TAG) program. Both TOSC and TAG programs are sponsored by the U.S. EPA whereas the TAPP program is sponsored by the Department of Defense (DoD) and has been specifically developed for RAB groups. All three programs are similar – the main purpose is to provide funds to enable the community to become more involved in the environmental cleanup process. Handouts provided by Mr. Saunders included: brochures for both TAPP and TOSC, copies of the presentation overheads, and the DoD ruling on TAPP.

Mr. Saunders reminded the RAB that they are not limited to using only these assistance programs. There are various sources of technical support including local, state and federal agency staff, university professors and staff, and volunteers are all available to provide the RAB with technical support.

TAG

The TAG program was authorized in 1986 under the federal Superfund Amendments and Reauthorization Act. It is specifically for Superfund sites on the National Priorities List (NPL). MCAS El Toro was placed on the NPL in 1990. The TAG program provides up to \$50,000 or more in funding for eligible groups. Groups must form a non-profit corporation and come up with 20% matching funds (in the form of funds or services in kind) and they must administer the funds. To be considered for a TAG, groups must submit a detailed application to the U.S. EPA.

Mr. Saunders told the RAB that there are eligible projects and ineligible projects for TAG funds. He reminded the group that the main purpose is to educate citizens about the environmental cleanup program specific to a particular site. Funds can be used to hire technical experts to help the group review and better understand the technical documents. Funds may also be used to hire an administrator to aid the group in managing the grant.

Mr. Saunders said that TAG funds may not be used for: paying for tuition; covering travel expenses; performing new studies, taking legal action; lobbying against the U.S. Government or its agencies including the U.S. EPA; or for reopening final agency decisions.

TOSC

TOSC is another U.S. EPA-sponsored program and is operated through two West Coast universities – Stanford University and Oregon State University. Both universities provide support to specific communities through their experts that interpret documents and conduct training on the environmental aspects of site cleanup. TOSC is primarily geared toward low-income communities with hazardous waste problems, however TOSC is used in a variety of communities. Currently, there are two RABs which use TOSC: the MCAF Tustin RAB and the Naval Air Station (NAS) North Island RAB in San Diego.

The advantages of TOSC are that it uses existing structures and a group does not have to form a non-profit corporation, contribute 20% matching funds, nor administer funds. TOSC is funded by the U.S. EPA that pays the universities to provide technical experts to educate the community about environmental cleanup. He iterated that the TOSC program is geared toward non-NPL facilities and bases. MCAS El Toro is not eligible to apply for the TOSC program because it is a Superfund site.

TAPP

Mr. Saunders said that DoD believes that any community, which is educated and informed about the environmental cleanup process, can better support that process. Unlike the TAG and TOSC programs, TAPP is specifically for RABs and no outside group can apply. To receive an application for TAPP, the RAB must provide documentation, in the form of a letter or meeting minutes that shows a simple majority vote was cast in favor of applying for a TAPP.

Mr. Saunders stated that DoD initiated development of the TAPP program in 1994 when RABs were starting up. The TAPP funds were authorized in 1996 in the National Defense Authorization Act (NDAA). After this long proposed ruling period, the final ruling for the TAPP program occurred on February 2, 1998. Since February, the DoD has been in the process of educating all of the RABs about the TAPP program.

Under the TAPP program, the RAB does not have to form a non-profit corporation, contribute 20% matching funds, nor administer funds. The in-house TAPP process is administered through the DoD. However, Mr. Saunders explained that the TAPP funds come solely from the existing Installation Restoration Program (IRP) budget of each base or installation. Therefore, current IRP-budgeted funds are used to support the RAB and no additional funds are available to support TAPPs. There is a maximum funding limit of \$25,000 per fiscal year or 1% of the IRP budget for each base, whichever is less. The \$25,000 is not limited to one TAPP. RABs can have several TAPPs but the funds spent cannot exceed \$25,000 in a given fiscal year. The total amount of funds applicable to TAPPs at each base is limited to \$100,000.

Mr. Saunders said the TAPP process begins when the RAB determines by a majority vote to submit an application for a TAPP. Other key players are the BEC, who is available to aid in filling out the application. The Installation Commander makes the final decision for TAPP approval. If the TAPP is approved, the contract officer who supports the installation's environmental program and RAB procures services of a technical advisor for the RAB.

Under the TAPP, the following activities are eligible for support:

- Interpretation of technical documents;
- Review of proposed restoration technologies;
- Participation in relative risk site evaluations;
- Assisting the RAB to understand health and environmental implications of sites and cleanup strategies; and
- Training, as appropriate.

Ineligible activities under the TAPP program include: political activity or lobbying; litigation or underwriting legal actions; new environmental investigation studies; epidemiological or health studies; community outreach; and reopening final DoD decisions or conducting disputes with DoD.

Mr. Saunders said the key to obtaining TAPP approval from the Installation Commander is for the RAB to show how the TAPP will provide assistance that helps the RAB become more involved in the environmental restoration process. In turn, this assistance will help build support for cleanup activities at the installation. Another key to obtaining TAPP approval is that the technical assistance would likely contribute to community acceptance of environmental restoration activities at the installation.

A potential provider for technical assistance needs to meet certain criteria. A good candidate would be someone who can demonstrate knowledge in the environmental field and has the needed academic background. In addition, the provider needs to have expertise in

environmental cleanup and experience working on hazardous or toxic waste problems. The provider should be an expert in interpreting documents and be able to write reports. If the TAPP is not approved, there is a process for reconsideration by the Installation Commander. Reasons for the disapproval must be provided with feedback on how approval might be accomplished. The TAPP might not be approved if the Installation Commander feels that the installation's contractor can accomplish the RAB's objectives stated in the TAPP application.

Mr. Saunders said that DoD contacts regarding TAPPs include: Patricia Ferree at (703) 697-5372; Marcia Reed at (703) 697-9793; and Mary Reguso at (703) 697-9106. The key Navy contact is Cindy Turlington at (703) 602-5330. More information regarding TAPPs, is available at the web site <http://www.dtic.mil/envirodod/> Mr. Saunders reminded the RAB that their first point of contact for the MCAS El Toro RAB is the BEC, Joseph Joyce. If the RAB has further questions, Mr. Saunders can be contacted at (619) 532-3100 or by email at lhsaunders@efdsouthwest.navy.mil

Question and Answer Session

Mr. Joyce told the RAB that in regards to funding, RABs have a limit imposed by Congress for how much the DoD/DoN can spend to support RABs. The ceiling for MCAS El Toro is \$35,000. He said that if any funds are used for the TAPP program, it is deducted from the funds designated to support the RAB. Mr. Joyce noted that MCAS El Toro's limit was lower but was raised to \$35,000 because of arguments presented regarding community interest in the cleanup and closure of the Air Station.

Dr. Chuck Bennett, RAB member, stated that he supports programs such as the TAPP and TAG. He praised the MCAS El Toro RAB for being well-informed on technical matters. He said that the TAPP program is well designed for providing a means of educating a group of people, however, it would be hard to better educate the MCAS El Toro RAB group any better than it already is. He said it would be a waste of funds to bring in an expert because the RAB is well informed already.

Mr. Saunders noted that the TAPP is a few years too late and that it would have been better if TAPP was available in 1994-95 when the RABs were new and needed that type of support. He did mention however, that there are new RAB members coming on board who do need the education. He explained that a Pilot TAPP was done at NAS North Island and the process took approximately 3-4 months to complete. The RAB is not limited to TAPP; members of the group may form a non-profit organization and apply for a TAG. The group is allowed to have more than one program at a time.

◆ Federal Facilities Agreement (FFA) Schedule Update – Andy Piszkin, Lead Remedial Project Manager, Southwest Division Naval Facilities Engineering Command

VOC Source Area – Vadose Zone Soils

Mr. Piszkin said the interim Record of Decision (ROD) for the VOC Source Area was signed last year by the BRAC Cleanup Team (BCT). The interim ROD covered only the vadose zone that consists of the contaminated soil present above the contaminated groundwater at Site 24. The Soil Vapor Extraction (SVE) System Design Work Plan along with the Construction Quality Assurance/Quality Control and Contingency Plans are currently being reviewed. He said he anticipates that this review process would be completed in mid-October 1998. The Remedial Action, operation of the SVE system, is scheduled to begin in spring 1999. The SVE system, which was transferred to MCAS El Toro from Norton Air Force Base in San Bernardino, is currently being assembled. Project Closeout will occur after the SVE is in operation for a few years until monitoring tests indicate soil remediation has been successful. At this time, this is estimated to occur in April-June 2002.

VOC Groundwater – Source (Site 24) and Regional (Site 18)

Mr. Piszkin said the FFA schedule continues to be extended due to negotiations between the Department of the Navy (DoN) and the Orange County Water District and the Irvine Ranch Water District. Because the negotiations are going well, the regulatory agencies have agreed to hold off on having DoN proceed with proposing the Navy stand-alone approach (VOC groundwater remediation not affiliated with the Orange County Water District's Irvine Desalter Project). He said that the DoN believes that if they can get an initial agreement regarding the Irvine Desalter Project with the water districts in the next few months, they will try to accelerate the ROD portion of the CERCLA program.

He said that an outline for a Proposed Plan for groundwater remediation is being prepared that anticipates a joint project with the water districts. He also mentioned that DoN legal staff confirmed that it is not inappropriate for the Marine Corps to put out a draft ROD for regulatory agency review based on concept for a remedy that involves a joint project prior to the distribution of the Proposed Plan to the public.

The Draft Final Feasibility Study (Site 24) received regulatory agency concurrence on March 23, 1998. The Proposed Plan will have an agency review period of 2 months, from November 24, 1998 through January 1999, followed by a public comment period from May to June 1999. The ROD is expected to go out for agency review in September 1999 and the signing of the ROD by the BRAC Cleanup Team is anticipated to occur in February 2000.

Mr. Piszkin said the ROD would document the final remedy for soil contamination at Site 24 and for VOC-contaminated groundwater on-Station and off-Station. The off-Station portion of VOC-contaminated groundwater includes the 3-mile long VOC plume. The groundwater ROD will also clarify and finalize some of the VOC issues pertaining to the vadose zone of soil at Site 24 that were not completely addressed with the interim ROD. Once the final

remedy is documented in the ROD, OCWD will have the opportunity to start treatment plant construction.

Landfill Sites 2 & 17 and 3 & 5

Mr. Piszkin said that the public comment period for the four landfill sites was held from May 15 to June 13, 1998. The current FFA schedule calls for the issuance of the draft ROD for all four landfills for regulatory agency review in early November 1998. The Marine Corps is conducting modeling studies in an effort to find some common ground with the Local Redevelopment Authority and the regulatory agencies regarding institutional controls. When this information is available, a new schedule will be established with input from the entire BCT. Mr. Piszkin added that currently there are no negative impacts regarding the remedy proposed for Sites 2 and 17. The U.S. Department of Fish and Wildlife had some concerns but they were resolved. Ideally, the design process for these two sites would begin in April 1999.

Further Action OU-3 Sites 8, 11, & 12

According to Mr. Piszkin, the FFA schedule has not changed since the last presentation to the RAB. The Draft Final Feasibility Study received regulatory agency concurrence on June 22, 1998. The agency review period for the draft Proposed Plan has been completed. It was suggested that the Marine Corps make the report more reader friendly in regards to explaining the risk situation. The draft document proposes that Sites 8, 11, and 12, which are all located in the southwest quadrant of the Station, undergo remedial actions for excavation of shallow surface soil contamination. This would occur prior to the full transfer of the property. The public comment period for the Proposed Plan is scheduled for January through February 1999. Agency review of the ROD is scheduled from April through June 1999. Signing of the ROD by the BCT is anticipated to occur in September 1999.

OU-3 Sites 7, 14, & 16

Mr. Piszkin said these sites are low priority in regards to funding and action. A Phase I Remedial Investigation was conducted for these three sites. Site 16 is the old burn pit in the middle of the runway area. TCE has been detected in the groundwater, most likely the result of placing flammable liquids in the burn pit and performing fire-fighting training. The Marine Corps will need to conduct additional groundwater monitoring at this site. Since this is considered low priority the schedule has been modified. Dates were moved back to focus on higher priority sites.

Explosive Ordnance Disposal (EOD) Range (Site 1)

Mr. Piszkin said this site is currently in use as a training range. During the Phase I Remedial Investigation, some environmental sampling was conducted but the site was not completely characterized. Monitoring wells are present at the site. He said no decision has been made regarding this site. The DoN is waiting to find out what will happen with the EOD range. It is not known if it will be closed by the Marine Corps under CERCLA, or if it will be transferred to another agency. Currently, there are ongoing discussions with local law

enforcement agencies including Los Angeles Sheriff's Department regarding future use of this site. The FBI may also be interested in taking over operations; if so, the site would continue to be used as an EOD range.

◆ Overview of Environmental Remediation at MCAS El Toro – Andy Piszkin

Mr. Piszkin handed out a comprehensive handout that provided a historical overview from 1975 through 1998 of the environmental program at MCAS El Toro. He said information on the early history was provided because most RAB members are quite familiar with the activities conducted the past two to three years. Due to the thoroughness of the handout and with the meeting running behind schedule, Mr. Hurley suggested that Mr. Piszkin focus on 1998 issues. The RAB agreed, and Mr. Piszkin said he would answer questions on the handout after the meeting.

Mr. Piszkin said that the key documents produced in 1998 are: the BRAC Cleanup Plan (BCP) Update; the Proposed Plan for Closure of Station Landfills (Sites 2, 3, 5, and 17); the Volatile Organic Compound (VOC) Source Area Vadose Zone Remedial Action Work Plan, and draft Remedial Design/Remedial Action Plan, draft Quality Assurance/Quality Control Plan, and the Contingency Plans; and the CERCLA Long-term Groundwater Monitoring draft report.

The BCP Update provides information on the over 800 Locations of Concern at MCAS El Toro. Only 24 of these are in the Installation Restoration Program. The other locations, depending on the type of site, require oversight by the Regional Water Quality Control Board (Patricia Hannon), Cal-EPA DTSC (Tayseer Mahmoud), and at the local level (Orange County). Some of the other Locations of Concern consist of solid waste management units, Resource Conservation and Recovery Act (RCRA) sites (must meet current environmental compliance requirements), underground storage tanks (USTs), above-ground storage tanks (ASTs), oil/water separators, and burn pits. These have been used to support current operations.

Mr. Piszkin said that with the release of the Proposed Plan for Closure of Station landfills, and the accompanying public comment period and public meeting, a lot of comment and discussion has occurred. This includes working with the Local Redevelopment Authority (LRA) on various reuse issues. For the VOC Source Area, key aspects there is the design package for remediation of contaminated soil using the soil vapor extraction technology. Also, pilot tests results groundwater extraction for the VOC Source Area are expected to be ready for initial review by the Marine Corps and Navy.

◆ Past Costs MCAS El Toro Environmental Program– Andy Piszkin

Mr. Piszkin said this presentation was prepared in response to earlier requests for such information from Gail Reavis, RAB Member. The letter she wrote requesting cost information and the response letter from Joseph Joyce were distributed to those in attendance

along with an updated attachment to the letter that was originally sent to Ms. Reavis. The updated attachment was derived from the March 1998 BRAC Cleanup Plan, Appendix A, Table A5. It shows costs of the various Installation Restoration Program phases at each of the operable unit/sites for fiscal years 1985 through 1997. The attachment provides detailed numbers. Mr. Piszkin summarized the attachment.

- Total costs from 1985-1997 = 71 million
- Regional Groundwater = \$14.3 million
- VOC Source Area = \$8.2 million
- Landfills = \$17.5 million (Sites 2 & 17 = \$11.9 million; Sites 3 & 5 = \$5.6 million)
- Proposed Action Soil Sites 8, 11, and 12 = \$6.2 million
- Further Investigation Sites 1, 7, 14, and 16 = \$19.6 million
- No Further Action Sites 4, 6, 8, 9, 10, 13, 15, 19, 20, 21, 22, 23 and 25 = \$19.6 million
- Funds Awarded in Fiscal Year 1998 = \$6 million

Mr. Piszkin also summarized, Estimated Cost to Cleanup for the Installation Restoration Program:

- Total Costs: 1999 to Final Cleanup = \$80 million
- Regional Groundwater = \$20 million
- VOC Source Area = \$20 million
- Landfills = \$31 million (Sites 2 & 17 = \$19 million; Sites 3 & 5 = \$12 million)
- Proposed Action Soil Sites 8, 11, and 12 = \$3 million
- Further Investigation Sites 1, 7, 14, and 16 = \$6 million
- No Further Action Sites Sites 4, 6, 8, 9, 10, 13, 15, 19, 20, 21, 22, 23 and 25 = \$0 million

Mr. Piszkin clarified that the Installation Restoration Program follows the comprehensive step-by-step CERCLA process that requires: Preliminary Assessment, Site Investigation, Remedial Investigation (includes risk assessment)/Feasibility Study (includes Proposed Plan and Record of Decision), Remedial Design, and Remedial Action. For No Further Action Sites, no feasibility study is conducted and the process is completed after the Record of Decision. All other sites require completion of each step of the CERCLA process. Some sites also have interim remedial actions conducted.

◆ Defense State Memorandum of Agreement (DSMOA)/Cooperative Agreement – Joseph Joyce

Mr. Joyce said the purpose of this presentation is to provide RAB members with accurate information about the Defense State Memorandum of Agreement (DSMOA)/Cooperative Agreement (CA) process. He said the U.S. Army Corps of Engineers gave this presentation in August 1998 at the DSMOA/CA National Workshop in Dallas, Texas. The handout contains the entire package that was presented at that workshop. He said he would be focusing on portions of the presentation that best apply to MCAS El Toro and on how budgets are developed for the DSMOA/CA Program.

The purpose of the DSMOA/CA Program is to provide State oversight of the Department of Defense Environmental Restoration Program. Goals of the DSMOA/CA Program include: expediting cleanup at active installations, base closures, and formerly used defense sites; assuring compliance with state laws and regulations; and fostering communication and cooperation between the states and the defense services. A DSMOA is an agreement between the Department of Defense (DoD) and a state or territory covering Defense reimbursement of costs for services to be provided by a state or territory. A CA is an application filed by a state or territory for Defense approval seeking funds for reimbursement of DSMOA eligible services. He added that the DSMOA/CA process was developed jointly by the DoD and key states and California played an important role.

He said the key points for RAB members to take note of in the presentation package are the services eligible for reimbursement, services ineligible for reimbursement, and the management structure. He explained the various responsibilities of the agencies involved:

- DoD is responsible for policy, oversight and funding;
- Department of the Army is DoD's executive agent for all program components
- Army Corps of Engineers is the Army's execution agent for negotiating DSMOAs and approving and managing CAs; and
- DoD services are recipients of DSMOA eligible services, suppliers of workload data for CA development, reviewers of CAs and state/territory reports, and resources for CA funding. (The BRAC Cleanup Team's role falls into this group.)

Mr. Joyce added that there has been a change this year and funding comes from each of the DoD's service branches so each service is now responsible for paying for DSMOA support activities for its bases. Therefore, accountability for the DSMOA program rests with each of the services. He next described the six-steps that comprise the heart of the DSMOA/CA Program and identified the responsible agencies:

1. Initiate development of the CA package (state representative);
2. Prepare a two-year cleanup plan and budget with a six-year outlook (installations),
3. Develop the CA budget (base-specific requirements) for providing state oversight and support (state administrator);
4. Promote understanding of the CA budget, clarification and discussion of items in the budget, facilitate understanding of budget requests and services (state/services);
5. Prepare and submit the CA application (state); and
6. Approve and fund the CA application (Army Corps/services).

After approval, each service branch provides the funds to the Army Corps of Engineers to administer the program. He also said that California has received its fair share of funds for DSMOA/CA, receiving over 53 percent of the funds (for fiscal year 1997). He said that does not take into account the number of bases in California but shows the percentage of available funds received by the state.

For State fiscal year 1998, after receiving information provided by (step 2), the State of California developed the CA budget (step 3) by tasks and staffers. This includes all

deliverables that would be performed during fiscal year 1998 (see Attachment A Worksheet). Because things do change, a six-month review is built into the system for adjustments.

Mr. Hurley added that he asked Mr. Joyce to include DSMOA/CA on the RAB agenda. He said it is important for RAB members to know how this process works. He said that we are coming to a crunch period regarding funding, and if the community wants DTSC to continue providing these services, our elected representatives need to know. Mr. Hurley said he has prepared a petition in consultation with RAB members that reflects RAB members' concerns. The petition raises the point that RAB members believe that DTSC is playing an important role and providing the community with a useful and necessary service and that proper funding should continue.

Mr. Hurley said that Mr. Joyce's overview provided basic information needed for the RAB to understand this process. Next, the RAB Co-Chairs introduced Mr. John Scandura, DTSC's Regional Director, to provide some additional insight into DTSC's role in the DSMOA/CA Program. He said that in California there are about 60 Marine Corps and Navy bases with roughly 35 in Southern California. He added that no other state has been hit with as many BRAC closures as California. To date, \$8.5 million of DSMOA/CA funds have been spent in California. He said that when DSMOA/CA was first implemented in 1988-89, oversight funding for DSMOA/CA was 1 percent at non-closing bases and 1.5 percent for closing bases. He added that it appears from Mr. Piszkin's earlier presentation that \$159 million will be spent at MCAS El Toro for the Installation Restoration Program, and 1.5 percent of that is approximately \$2.2 million for DSMOA/CA oversight. At this point about 35 to 40 percent of that has been spent. He further explained the roles, contributions, and time required of DTSC technical staff including Tayseer Mahmoud, Project Manager, and Marsha Mingay, Public Participation Specialist, and others to perform their oversight functions.

Mr. Joyce reiterated that the DSMOA/CA process is being followed by all parties involved. He added that the process for this fiscal year incorporates new mechanisms (six-step process) for clarifying the budget. He said that funding is not being eliminated but DoN is trying to determine the appropriate level of funding.

A RAB member asked Mr. Scandura if DTSC received the same, more, or less funding under the newer process? Mr. Scandura said that DTSC now negotiates with each service branch and the Army Corps of Engineers. In the past, DTSC only negotiated with the Army Corps. He said that with this newer process DTSC receives less funding.

MEETING EVALUATION AND FUTURE TOPICS

During the meeting evaluation RAB members provided the following comments:

- Chronology handout for the Overview of Environmental Remediation presentation was very informative;
- Too many topics;
- For topics that generate a lot of questions need to manage time better;
- Choice of agenda items is very important; and

- Update on past costs served as a helpful follow-up and provided clarification to an earlier request and response for this information.

Suggestions for future presentation topics include:

- Perchlorate – Status of Investigation at MCAS El Toro (number of wells, evaluation results, etc.);
- Perchlorate information from U.S. EPA perchlorate point-of-contact;
- USTs;
- RODs – step-by-step walk through; use upcoming RODs for structure and substance; and
- Update on OU-1/Site 24 Groundwater and Irvine Desalter Project

CLOSING ANNOUNCEMENTS/FUTURE MEETING DATES

- The next RAB subcommittee meeting is scheduled for 6:30 to 9:00 p.m., Wednesday, October 28, 1998 at the Irvine City Hall, Conference and Training Center, One Civic Center Plaza, Irvine Topics to be discussed are OU-1/Site 24 groundwater issues and perchlorate.
- The next RAB meeting is scheduled for 6:30 to 9:00 p.m., Wednesday, December 2, 1998 at the Irvine City Hall, Conference and Training Center, One Civic Center Plaza.

The 34th meeting of the MCAS El Toro Restoration Advisory Board was adjourned at 9:45 p.m.

Attachments:

- DSMOA Resource Estimation Worksheet FY 1998/1998 Revised Appendix E
- Sign-in sheets.

Handouts provided at the meeting and available at the Information Repository:

- RAB Meeting Agenda/Public Notice –9/30/98 RAB meeting.
- RAB Meeting Minutes - 7/29/98 RAB meeting (*Minutes approved at the 9/30/98 meeting*)
- *Presentation* – Technical Assistance for Public Participation in (TAPP) in DoD's Environmental Restoration Program; Lee Saunders, PAO Southwest Division Naval Facilities Engineering Command
 - *Handout* – Office of the Under Secretary of Defense, Memorandum for DoD Environmental Restoration Stakeholders, Federal Register Publication of Final Rule – Technical Assistance for Public Participation in Defense Environmental Restoration Activities
 - *Handout* – TOSC, Technical Outreach Services for Communities, brochure
 - *Handout* – TAPP, Technical Assistance for Public Participation, DoD Environmental Restoration Program, brochure
- *Presentation* – MCAS El Toro Schedule Update, Federal Facility Agreement, RAB Meeting, 9/30/98; Andy Piszkin, Lead Remedial Project Manager (RPM), Southwest Division Naval Facilities Engineering Command (SWDIV)
- *Presentation* – Overview of Environmental Remediation at MCAS El Toro; Andy Piszkin, Lead RPM, SWDIV
- *Presentation* – MCAS El Toro Environmental Program Budget Update – Past Costs; Andy Piszkin, Lead RPM, SWDIV
 - *Handout* – Letters: May 30, 1998 signed by Gail Reavis, RAB Member; June 23, 1998 signed by Joseph Joyce, BEC, MCAS El Toro
- *Presentation* – Defense State Memorandum of Agreement (DSMOA) Cooperative Agreement by Joseph

Joyce, Marine Corps/Navy MCAS El Toro, RAB Co-Chair

- *Handout* -- DoD and State Memorandum of Agreement/Cooperative Agreement (CA) Program Update, DSMOA/CA National Workshop, Dallas, Texas, August 11-12, 1998
- *Handout* -- Section 2: The Cooperative Agreement Process, August 1997
- *Handout* - MCAS El Toro Information Repository Collection, Current Index, September 29, 1998, Heritage Park Regional Library
- *Handout* - Navy and Marine Corps -- Internet Access, Environmental Web Sites
- *Handout* - DoD - Environmental Base Realignment and Closure Web Site Publications List
- *Handout* - MCAS El Toro Installation Restoration Program Mailing List Coupon

Agency Comments - U.S. Environmental Protection Agency

- U.S. EPA Comments on Draft CERCLA (Groundwater) Monitoring Plan, MCAS El Toro, (letter dated September 22, 1998)

Agency Comments - Cal-EPA, Department of Toxic Substances Control

- Cal-EPA DTSC, Response to Request for Extension to the Federal Facility Agreement (FFA) Schedules, MCAS El Toro (letter dated August 6, 1998).
- Cal-EPA DTSC, Comments - On-Scene Coordination Report for Time-Critical Removal Actions at Landfills Sites 2 and 17, MCAS El Toro (letter dated August 13, 1998).
- Cal-EPA DTSC, Comments - Closure Report for Temporary Accumulation Area (TAA) 765 Site at MCAS El Toro (letter dated August 21, 1998).
- Cal-EPA DTSC, Response to Request for Extension to the Federal Facility Agreement (FFA) Schedules, MCAS El Toro (letter dated August 25, 1998).
- Cal-EPA DTSC, Comments on Draft Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) for Groundwater Monitoring of Perchlorate at MCAS El Toro (letter dated September 8, 1998).
- Cal-EPA DTSC, Comments on Draft Proposed Plan for Operable Unit (OU) 3, Sites 8, 11 and 12, MCAS El Toro (letter dated September 21, 1998).

Copies of all past RAB meeting minutes and handouts are available at the MCAS El Toro Information Repository, located at the Heritage Park Regional Library in Irvine. The address is 14361 Yale Avenue, Irvine; the phone number is (949) 551-7151. Library hours are Monday through Thursday, 10 am to 9 p.m.; Friday and Saturday, 10 am to 5 p.m.; Sunday 12 p.m. to 5 p.m..

Navy and Marine Corps Internet Access - Environmental Web Sites (includes RAB meeting minutes)
<http://www.efdswest.navfac.navy.mil/pages/Envrnmnl.htm>

Marine Corps Air Bases Western Area Web Site (includes MCAS El Toro):
www.eltoro.USMC.mil

Department of Defense - Environmental BRAC Web Page
www.dtic.mil/environdod/envbrac.html

U.S. EPA Superfund Web Page
www.epa.gov/superfund/index.html

DSMOA Resource Estimation Worksheet - FY 1998/1999

Revised Appendix E

DTSC Remedial Project Manager: Tayseer Mahmoud

Telephone Number: (714) 484-5418

RWQCB Project Staff: Patricia Hannon

Telephone Number: (909) 782-4498

MARINE CORPS AIR STATION - EL TORO

CALSTARS DTSC Site Code: 400055-47

TASK	DTSC								SWRCB	Other IAG
	RPM	Supervisor	Geologist/ Eng.	Toxicologist	Reuse Spec.	PPS	Legal	IH / Lab.	Consultant Services	Consultant Services
1. Record of Decision with Responsiveness Summary - Landfills (Sites 2 & 17)	248	26	8		20	40	40		80	40
2. Record of Decision - Soil (Sites 8, 11, & 12)	120	24		8	8	16	20		24	
3. Design and Construction QA/QC with Contingency Plan for Soil (Site 24 Vadoze Zone)	260	28	130			16		8	20	
4. RCRA Closure Reports (4 reports)	260	24	30	140	8			4	8	
5. Aerial Photograph Anomaly Sampling and Data Report	20	8			16			4	8	
6. BRAC Cleanup Plan (BCP) - 1999 Update	40	6			20				8	
7. Meeting for Public Comments on Proposed Plan for Soil (Sites 8, 11, & 12)	8	2				16			8	
8. FFA Extensions/Meetings (10)	80	16							20	
9. SGTs/RPMs Meetings (8)	80	16	44		8				80	
10. RAB Meetings/Planning Workshops (9)	70	20		32	16	38			50	
11. Field Oversight Visits (10)	80	16	20					4	40	
Unpublished Activities										
12. Draft & Final CERCLA Long-Term Groundwater Monitoring Plan	156	10	84						44	24
13. Draft and Final SAP & QAPP for Perchlorate in Groundwater/Field Oversight (2 events)	50	4						40	10	
14. Time-Critical Removal Action Report for Landfills (Sites 2 & 17)	60	4							18	
15. Technical Memorandum - UNSAT-H Infiltration Model for Landfills	40	4	36						24	
16. Meetings with DON, Regulatory Agencies, and LRA for Landfills	48	32	8		24	4	16		21	
17. Proposed Plan for Groundwater (Sites 18/24)	80	8				30			40	
18. Mid year review of Community Relations Plan						16				
Subtotals	1700	248	360	180	120	176	76	60	503	64
Total	3487									

* Separate documents will be submitted for OU-2B (Sites 2 & 17) and OU-2C (Sites 3 & 5).

** Additional hours may be added if Community Relation Plan needs to be updated.

MCAS EL TORO
RESTORATION ADVISORY BOARD MEETING
September 30, 1998

RAB MEMBER SIGN-IN SHEET

Name	Signature	Name	Signature
Barney, Col. Joseph P. (ret)	<i>Col. Barney</i>	Koepke, Jeffrey	
Bennett, Dr. Charles	<i>Dr. C. Bennett</i>	Mahmoud, Tayseer	<i>Tayseer Mahmoud</i>
Brady Jr., Paul		Matheis, Mary Aileen	
Britton, George	<i>George Britton</i>	Mathews, Thomas	
Chenarides, Arline	<i>Arline Chenarides</i>	McVicker, Robert R.	
Chenarides, Harry	<i>Harry Chenarides</i>	Meier, Fred J.	
Cohn, Enid		Murphy, Don	<i>Don Murphy</i>
Crompton, Chris	<i>Chris Crompton</i>	Olquin, A. Richard	
Gallagher, George M.		Reavis, Gail	<i>Gail Reavis</i>
Hannon, Patricia	<i>Patricia Hannon</i>	Ritchie, Col. E.J.	
Herndon, Roy	<i>Roy Herndon</i>	Rudolph, Marcia	<i>Marcia Rudolph</i>
Hurley, Greg - Co-Chair	<i>Greg Hurley</i>	Sharp, Steven	<i>Steven Sharp</i>
Hersh, Peter	<i>Peter Hersh</i>	Werner, Jerry	<i>Jerry Werner</i>
Joyce, Joseph - Co-Chair	<i>Joseph Joyce</i>	Woodings, Bob	<i>Bob Woodings</i>
Kistner, Glenn	<i>Glenn Kistner</i>	Zweifel, Donald E.	<i>Don Zweifel</i>

MCAS EL TORO
RESTORATION ADVISORY BOARD MEETING
September 30, 1998

NON-RAB MEMBER SIGN-IN SHEET
Other Attendees, Guests

NAME <u>PLEASE PRINT CLEARLY</u>	AFFILIATION	MAILING ADDRESS	PHONE FAX	INTERESTED IN RAB MEMBERSHIP?
John Scandura	OTSC			
Polin Modanlou	LRA	10 Civic Center Plaza 2nd Floor Santa Ana, CA 92701		
Chester F. Barnes	EBI SERVICES	1631 Irvine Ave Suite F. Costa Mesa 92627		
ADRIENNE DEWEY	BRAC EL TORO	22 Bldg 899 MCAS ELTORO SANTA ANA	726-3853	
DON CLAUSE	DYNAMAC CORP. ENV SVCS	PO BOX 50591 IRVINE, CA 92619		
Cynth Hornecker	Navy			

MCAS EL TORO
RESTORATION ADVISORY BOARD MEETING
September 30, 1998

NON-RAB MEMBER SIGN-IN SHEET
Other Attendees, Guests

NAME <u>PLEASE PRINT CLEARLY</u>	AFFILIATION	MAILING ADDRESS	PHONE FAX	INTERESTED IN RAB MEMBERSHIP?
DAVID DEMARS	NAVY		619 532-4163 (Fax) 4160	No
JOSEPH FARRAR	CITY OF IRVINE			
JOHN GAU	USMC		726-2259	
RICH JAMBARA	SCAQM D	21865 E. COPLER DR. DIAMOND BAR, CA. 91765	(909) 396-2319	NO

MCAS EL TORO
RESTORATION ADVISORY BOARD MEETING
September 30, 1998

NON-RAB MEMBER SIGN-IN SHEET

Other Attendees, Guests

NAME <u>PLEASE PRINT CLEARLY</u>	AFFILIATION	MAILING ADDRESS	PHONE FAX	INTERESTED IN RAB MEMBERSHIP?
Lisa Miller	Senator Rob Hutt	11642 Knott St #8 Garden Grove 92841	(714) 898-8353 (714) 898-8033 Fax	
Lee H. Saunders	Southwest Division Naval Facilities Engineering Command	1220 Pacific Highway San Diego, CA 92129	619-532-3100	